

ECS Configuration Change Request

Page 1 of Fpr NSIDC

Page(s)

1. Originator Cherry Kenney	2. Log Date: 3/21/02	3. CCR #: 02-0243	4. Rev: —	5. Tel: 301-883-4177	6. Rm #: 3204D	7. Dept. SWIT
8. CCR Title: Patch_6A.05_Ingest.02 . For NSIDC DACC Only. Contains fix for 14 NCRs.						
9. Originator Signature/Date Cherry A. Kenney 3/21/02		10. Class II	11. Type: CCR	12. Need Date: 3/21/02		
13. Office Manager Signature/Date Arthur Cohen /s/ 3/21/02		14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Emergency		
16. Documentation/Drawings Impacted:		17. Schedule Impact:		18. CI(s) Affected:INGEST		
19. Release Affected by this Change: 6A		20. Date due to Customer: 032102		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 33201, 32979, 33056, 30629, 32949, 33168, 32275, 32488, 33057, 32987, 33465, 33557, 33655, 31753						
23. Problem: (use additional Sheets if necessary) St=C, Sv=2, Bug id = ECSed33201, 6A.05:TS2:L7 Ingest of L70RF1 data fails with Xfer Error St=T, Sv=2, Bug id = ECSed32979, 1 granule from a 2 granule Request failed to get into InGranuleQueue Tbl St=T, Sv=2, Bug id = ECSed33056, No retry logic around DsCIESDTRedirectCollector::Create St=V, Sv=2, Bug id = ECSed30629, Implement Ingest Performance Improve St=C, Sv=2, Bug id = ECSed32949, GranSrvr recovery failed when granule staging disk is deleted,						
24. Proposed Solution: (use additional sheets if necessary) Deliver Patch_6A.05_INGEST.02. This Patch can be loaded on top of the initial delivery of 6A.05 and over TE_6A.05_INGEST.01A. (Original delivery is to NSIDC only) Other DAACs will receive this patch after SI&T has completed testing.						
25. Alternate Solution: (use additional sheets if necessary) Delay testing; wait until next full system delivery next week						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) NSIDC will continue to see slow ingest of data						
27. Justification for Emergency (If Block 15 is "Emergency"): Correction of listed NCRs						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): Randall J. Miller /s/ 3/21/02		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date): Debra Stepp /s/ 3/21/02		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

ADDITIONAL SHEET

CCR #: **Rev:** **Originator:** Cherry Kenney

Telephone: 301-925-1122 **Office:** 3041

Title of Change: Patch_6A.05_Ingest.02 . For NSIDC DACC Only. Contains fix for 14 NCRs.

ClearCase

Please build 1 SUN with the following packages:

.EcInEMAILSVR.pkg
.EcInGUIOPSWWS.pkg

Please build 1 IRIX65 tar file with the following packages:

.EcInAPCSVR.pkg
.EcInDatabase.pkg
.EcInINTFCVR.pkg

Please name the tarfiles Patch_6A.05_INGEST.02

DAAC INSTALL INSTRUCTIONS

See attached Word document: 6A05_INGEST02_Install.doc

.
Additional NCRs

St=V, Sv=2, Bug id = ECSed33168, Delete e0icg12 from .sitemap, .sitehostmap, and .hostmap
St=T, Sv=2, Bug id = ECSed32275, Xfer_Err received with TransferFlag=0 and STMGT ReqMgr is down
St=T, Sv=2, Bug id = ECSed32488, Tweaking the Ingest Code for ASTER Level-1 to Enable Mapping
St=T, Sv=2, Bug id = ECSed33057, Mutex lock around GetURfromSDSRV causes slow processing in EcInGran
St=C, Sv=2, Bug id = ECSed32987, Disposition syntax in PAN does not follow IDC
St=T, Sv=2, Bug id = ECSed33465, 6A.05:TS1:Ingest did not recover when system was shut down
St=T, Sv=2, Bug id = ECSed33557, Ingest Dao Tunneling Script
St=T, Sv=2, Bug id = ECSed33655, EcInGran core dumps while Preprocessing multiple AVI granules (GRIB fmt)
St=V, Sv=2, Bug id = ECSed31753, GSFC/SMC: Increase PID column width for EcCoMonitor

Test Report will follow with revised CCR when Patch is released to ALL DAACs.

Install Instructions for Patch_6A.05_INGEST.02

INGEST.02 may be installed directly on top of 6A.05 or 6A.05 plus Patch_6A.05_INGEST.01A. There are no other dependencies for this Patch.

A. SETUP:

1. Untar the IRIX65 and SUN tar file using the following scripts:

Patch_6A.05_INGEST.02_Mar-18-2002_iris65_20020318_1646111_Setup.ksh

Patch_6A.05_INGEST.02_Mar-18-2002_sun5.5_20020318_164344_Setup.ksh

When prompted, you **will need** to install a new version of EcsAssist.

Remember now that all MODES are at the 6A.05 level you no longer need to maintain your 6A.04 version of EcsAssist. You may simply install 6A.05 EcsAssist directly from the tar file. If you use EcsAssist to monitor servers and clients this update to EcsAssist will allow EcsAssist to display larger Process IDs (PIDs). This change was needed to monitor servers on SGI hosts. This is the only change to the 6A.05 version of EcsAssist. You will also notice you will never have a new version of EcCoEpMgr or EcCoCdsMgr delivered. The old versions may be deleted, if desired.

2. `cd <staging_area>/IRIX65/CUSTOM/dbms/INS`
3. `chmod -R 775 *`
4. Quiese all Ingest by killing all the EcInPolling Clients.
5. After Ingest is quiesed, kill the INGEST servers and the Ingest GUI(s).

B. INSTALLTION:

1. Logon to any SUN in the .sitemap. (E.A.S.I must be run from a SUN)
2. Bring up EcsAssist and via E.A.S.I. install all of INS. This includes the following five packages:
 - .EcInAPCSRV.pkg
 - .EcInDatabase.pkg
 - .EcInINTFCSVR.pkg
 - .EcInEMAILSRV.pkg
 - .EcInGUIOPSSWS.pkg

C. CONFIGURATION:

There are no new configuration parameters for INGEST. Therefore you do not need to run any mkcfgs and apply no .rgypatches.

IMPORTANT ONLY IF YOU HAVE A FIREWALL:

1. Logon to the host(s) were the EcInGUI is installed (xxacsnn)
2. `cd /usr/ecs/<MODE>/CUSTOM/cfg`
3. `ls -lrt SLCsocks5.conf*` (This will display a list of SLCsocks5.conf files)
4. Determine which file has the correct value for your firewall configuration and move that file to SLCsocks5.conf. (Delete the other copies if desired.)
 - example: `mv SLCsocks5.conf.20020312121212 SLCsocks5.conf`
5. Logon to the host where the EcInReqMgr is installed (xxicgnn)
6. `cd /usr/ecs/<MODE>/CUSTOM/cfg`
7. `ls -lrt SLCsocks5.conf*` (This will display a list of SLCsocks5.conf files)
8. Determine which file has the correct value for your firewall configuration and move that file to SLCsocks5.conf. (Delete the other copies if desired.)
 - example: `mv SLCsocks5.conf.20020312121212 SLCsocks5.conf`
9. Login to the host(s) where the EcInPolling is installed (xxacgnn) and (xxicgnn)
10. `cd /usr/ecs/<MODE>/CUSTOM/cfg`
11. `ls -lrt clientproxy.conf*` (This will display a list of clientproxy.conf files)
12. Determine which file has the correct values for your firewall configuration and move that file to clientproxy.conf. (Delete the other copies if desired.)

D. PATCH INGEST DATABASE:

1. On the host where the INGEST database is installed (xxicgmn), bring up EcsAssist Subsystem Manager
2. Select the MODE and INS, and then click on Database Patch
3. Update the INGEST database with the following patch:

Patch Number	Patch Description
6249	This patch adds InGQInsert stored procedure to the Ingest database. (NCR 32979)

(Since the delivery of 6A.05 Patches 6249 is the only patch to INGEST database.)

You will also notice in your /usr/ecs/<MODE>/CUSTOM/INS/dbms directory scripts named with the following pattern. EcInDbESDT_NCRxxxxx.sql, where xxxxx is an NCR number. These scripts get applied to the Ingest database when new descriptors are delivered. We are now NO LONGER adding new ESDTs and new ESDT versions to the Ingest database patch via scripts. These scripts get delivered as part of the .EcInDatabase.pkg, but **should not** be applied to your Ingest database unless they are delivered as part of an ESDT delivery (PATCH/TE_6A.05_ESDT_xx_<datatype>). At this time the following scripts are being delivered:

EcInDbESDT_NCR33060.sql
EcInDbESDT_NCR33087.sql
EcInDbESDT_NCR33113.sql
EcInDbESDT_NCR33182.sql
EcInDbESDT_NCR33361.sql
EcInDbESDT_NCR33376.sql

AGAIN YOU DO **NOT** NEED TO RUN THESE SCRIPTS AT THE TIME OF THIS DELIVERY!!! If you did this would not hurt your database, but there is no need to do so.

POST INSTALLATION:

1. Cold start the Ingest Servers (EcInAuto, EcInReqMgr, and EcInGranServer(s)).
2. Verify The EcInReqMgr is completely up (End of Start Monitoring) and then warm start all the INGEST polling clients.
3. You may also bring one or more Ingest GUIs if needed.